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PATENT  
Attorney Docket No. MIT-051CN2

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

APPLICANT(S): Zilles *et al.*  
SERIAL NO.: 10/055,565 GROUP NO.: 2173  
FILING DATE: October 26, 2001 EXAMINER: Namitha Pillai  
TITLE: Method and Apparatus for Determining Forces to be Applied to a User  
Through a Haptic Interface

Mail Stop RCE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**THIRD SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

In accordance with the provisions of 37 C.F.R. 1.97 and 1.98, Applicants hereby make of record the patents and publications listed on the accompanying Form PTO-1449, and other information contained herein, for consideration by the Examiner in connection with the examination of the above-identified patent application. In accordance with 37 C.F.R. 1.98(a)(2), only copies of the foreign patent documents and non-patent publications are enclosed.

**REMARKS**

In accordance with the provisions of 37 C.F.R. 1.97, this statement is being filed (CHECK ONE):

- ☒ (1) within three (3) months of the **filing date** of a national application other than a continued prosecution application under 37 C.F.R. 1.53(d), or within three (3) months of the **date of entry of the national stage** as set forth in 37 C.F.R. 1.491 in an international application, or before the mailing of the **first Office action** on the merits, or before the mailing of a **first Office action** after the filing of a request for continued examination under 37 C.F.R. 1.114; or
- ☐ (2) after the period defined in (1) but before the mailing date of a **final action** or a **notice of allowance** under 37 C.F.R. 1.311, and
- ☐ the requisite Statement is below, **OR**
- ☐ the requisite fee under 37 C.F.R. 1.17(p), namely **\$180.00**, is included herein, or

- ☐ (3) after the mailing date of a **final action** or **notice of allowance** but before the payment of the **issue fee**, **AND**
- ☐ the requisite Statement is below, **AND**
- ☐ the requisite petition fee under 37 C.F.R. 1.17(p), namely **\$180.00** is included herein.

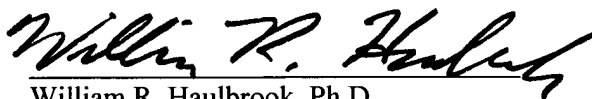
It is respectfully requested that each of the patents and publications listed on the attached Form PTO-1449, and other information contained herein, be made of record in this application.

### STATEMENT

As required under 37 C.F.R. 1.97(e), Applicant(s), through the undersigned, hereby state either that [check the appropriate space only if either (2) or (3) is checked on the previous page and the Statement is required]:

- ☐ 1. Each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application **not more than three months** prior to the filing of the Information Disclosure Statement; or
- ☐ 2. No item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this Statement after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to **any individual** designated in 37 C.F.R. 1.56(c) **more than three months** prior to the filing of the Information Disclosure Statement.

Respectfully submitted,

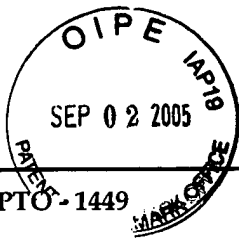


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FORM PTO - 1449 THIRD SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	ATTORNEY DOCKET NO.: MIT-051CN2 APPLICANT(S): Zilles <i>et al.</i> SERIAL NO.: 10/055,565 FILING DATE: October 26, 2001 GROUP: 2173
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U.S. PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	A155	4,686,522	08/11/87	Hernandez <i>et al.</i>			
	A156	5,237,647	08/17/93	Roberts, <i>et al.</i>			
	A157	5,333,257	07/26/94	Merrill, <i>et al.</i>			
	A158	5,446,834	08/29/95	Deering			
	A159	5,659,493	08/19/97	Kiridena, <i>et al.</i>			
	A160	5,774,130	06/30/98	Horikawa, <i>et al.</i>			
	A161	5,847,956	12/08/98	Bronfeld, <i>et al.</i>			
	A162	5,872,438	02/16/99	Roston			
	A163	5,873,106	02/16/99	Joseph			
	A164	5,882,206	06/16/99	Gillio			
	A165	5,898,599	04/27/99	Massie, <i>et al.</i>			
	A166	5,903,886	05/11/99	Heimlich, <i>et al.</i>			
	A167	5,988,862	11/23/99	Kacyra, <i>et al.</i>			
	A168	6,111,577	08/29/00	Zilles <i>et al.</i>			
	A169	6,131,097	10/10/00	Peurach <i>et al.</i>			
	A170	6,211,848	04/03/01	Plesniak <i>et al.</i>			
	A171	6,226,003	05/01/01	Akeley			
	A172	6,308,144	10/23/01	Bronfeld <i>et al.</i>			
	A173	6,417,638	07/09/02	Guy, <i>et al.</i>			
	A174	6,421,048	07/16/02	Shih <i>et al.</i>			
	A175	6,552,722	04/22/03	Shih <i>et al.</i>			
	A176	6,671,651	12/30/03	Goodwin <i>et al.</i>			
	A177	20020075283	06/20/02	Payne			
	A178	20020089500	07/11/02	Jennings, <i>et al.</i>			
	A179	20020158842	10/31/02	Guy, <i>et al.</i>			

EXAMINER	DATE CONSIDERED
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FORM PTO - 1449		SEP 02 2005		ATTORNEY DOCKET NO.: MIT-051CN2	
THIRD SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT		TRADEMARK OFFICE		APPLICANT(S): Zilles <i>et al.</i>	
				SERIAL NO.: 10/055,565	
				FILING DATE: October 26, 2001 GROUP: 2173	
A180	20030128208	07/10/03	Shih, <i>et al.</i>		
OTHER ART, JOURNAL ARTICLES, ETC.					
EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)				
	C109	Elhajj <i>et al.</i> , "Supermedia-Enhanced Internet-Based Telerobotics," Proceedings of the IEEE, Vol. 91, No. 3, pp. 396-421 (March 2003).			
	C110	Luo <i>et al.</i> , "Networked Intelligent Robots Through the Internet: Issues and Opportunities," Proceedings of the IEEE, Vol. 91, No. 3, pp. 371-382 (March 2003).			
	C111	Oboe, "Force-Reflecting Teleoperation Over the Internet: The JBIT Project," Proceedings of the IEEE, Vol. 91, No. 3, pp. 449-462 (March 2003).			
	C112	Safaric <i>et al.</i> , "Control of Robot Arm with Virtual Environment via the Internet," Proceedings of the IEEE, Vol. 91, No. 3, pp. 422-429 (March 2003).			
	C113	Tan <i>et al.</i> , "Virtual Environments for Internet-Based Robots - I: Modeling a Dynamic Environment," Proceedings of the IEEE, Vol. 91, No. 3, pp. 383-388 (March 2003).			
	C114	Tan <i>et al.</i> , "Virtual Environments for Internet-Based Robots - II: Path Planning," Proceedings of the IEEE, Vol. 91, No. 3, pp. 389-395 (March 2003).			
	C115	Zilles, "Haptic Rendering with the Toolhandle Haptic Interface," Massachusetts Institute of Technology Master of Science Thesis, May 1995, pgs. 1-46.			

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EXAMINER	DATE CONSIDERED
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